

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000130

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl.⁷ G02B5/08, F21V7/12, C08J9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl.⁷ G02B5/08, F21V7/12, C08J9/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-184914 A (The Furukawa Electric Co., Ltd.), 06 July, 2001 (06.07.01), Full text; all drawings (Family: none)	1-8
Y	JP 2003-253224 A (Sekisui Chemical Co., Ltd.), 10 September, 2003 (10.09.03), Full text; all drawings (Family: none)	1-8
Y	WO 2003/032073 A1 (Kabushiki Kaisha Tsujiden), 17 April, 2003 (17.04.03), Full text; all drawings (Family: none)	1-8

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

- A- document defining the general state of the art which is not considered to be of particular relevance
- E- earlier application or patent but published on or after the international filing date
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- O- document referring to an oral disclosure, use, exhibition or other means
- P- document published prior to the international filing date but later than the priority date claimed

- T- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- X- document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- Y- document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- &- document member of the same patent family

Date of the actual completion of the international search
01 April, 2005 (01.04.05)

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Name and mailing address of the ISA/
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(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 9-216391 A (Shinko Electric Co., Ltd.), 19 August, 1997 (19.08.97), Full text; all drawings (Family: none)	1-8
Y	WO 03/002337 A1 (Nippon Zeon Co., Ltd.), 09 January, 2003 (09.01.03), Full text; all drawings & JP 2003-001737 A	1-8
Y	JP 2003-318347 A (Abikku Yamada Kabushiki Kaisha), 07 November, 2003 (07.11.03), Full text; all drawings (Family: none)	1-8
Y	JP 2003-270415 A (Taisei Ramineta Kabushiki Kaisha), 25 September, 2003 (25.09.03), Full text; all drawings (Family: none)	1-8
Y A	WO 03/014778 A1 (YUPO CORP.), 20 February, 2003 (20.02.03), Full text; all drawings & JP 2003-176367 A	3,4 1,2,5-8
Y A	JP 11-174213 A (Mitsui Chemicals, Inc.), 02 July, 1999 (02.07.99), Full text (Family: none)	3,4 1,2,5-8
A	US 2002/0057405 A1 (Hitachi, Ltd.), 16 May, 2002 (16.05.02), Full text; all drawings & JP 2002-122863 A	1-8
A	JP 54-013457 A (Meiji National Kogyo Kabushiki Kaisha), 31 January, 1979 (31.01.79), Full text; all drawings (Family: none)	1-8
E,X	JP 2005-049573 A (Toyo Kohan Co., Ltd.), 24 February, 2005 (24.02.05), Full text; all drawings (Family: none)	1,7
P,X	JP 2004-317818 A (Mitsui Chemicals, Inc.), 11 November, 2004 (11.11.04), Full text (Family: none)	1,3,4